

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method for determining by a UTRAN a persistence value for adjusting a number of access preambles from a plurality of UEs requiring assignment of a common packet channel (CPCH), the method comprising the steps of:

counting the number of the access preambles detected in an access preamble period having a predetermined period for each transport format that contains information related to an amount of transmission data and a data rate;

determining the persistence value based on the number of counted access preambles for each transport format; and

transmitting the determined persistence value to the UEs in a cell controlled by a Node B.

2. (Cancelled)

3. (Original) The method as claimed in claim 1, wherein the persistence value is determined in a unit of physical common packet channel (PCPCH).

4. (Original) The method as claimed in claim 1, wherein the persistence value is determined in a unit of CPCH set.

5. (Currently Amended) A method for determining by a UTRAN a persistence value for adjusting a number of CD (Collision Detection) preambles from a plurality of UEs requiring a CPCH, the method comprising the steps of:

counting the number of CD access preambles detected in an access preamble period having a predetermined period for each transport format that contains information related to an amount of transmission data and a data rate;

determining the persistence value based on the number of counted CD access preambles for each transport format; and

transmitting the determined persistence value to the UEs in a cell controlled by a Node B.

6. (Cancelled)

7. (Original) The method as claimed in claim 5, wherein the persistence value is determined in a unit of PCPCH.

8. (Original) The method as claimed in claim 5, wherein the persistence value is determined in a unit of CPCH set.

9-12. (Cancelled)

13. (Previously Presented) A method for adjusting common packet channel(CPCH) access preambles from user equipments(UEs) requiring assignment of CPCH, comprising the steps of:

- requesting measurement of the CPCH access attempts;

- upon receipt of a measurement request, counting the number of the CPCH access preambles transmitted from the UEs during a time unit;

- reporting the counted number of the CPCH access preambles to a controlling radio network controller(CRNC);

- determining, in the CRNC, persistence values of each transport format based on the number of the CPCH access preambles reported; and

- providing the persistence values to the UEs;

- performing in a UE, a persistence test by using the provided persistence values before transmitting a common packet channel access preamble;

- transmitting the common packet channel access preamble to the Node B when the persistence test allows the transmission of the common packet channel access preamble;

- upon receiving an acknowledge message from the Node B, transmitting a collision detection preamble from the UE to the Node B; and

- transmitting a common packet channel message from the UE to the Node B if the UE received an acknowledge message for the collision detection preamble from the Node B.

14-16. (Cancelled)

17. (Original) The method as claimed in claim 13, wherein the step of counting the number of CPCH access attempts is performed in a unit of PCPCH.

18. (Original) The method as claimed in claim 13, wherein the step of counting the number of CPCH access attempts is performed in a unit of CPCH set.

19. (Previously Presented) The method as claimed in claim 13, wherein the acknowledge message for the collision detection preamble is a collision detection indicator channel message.

20. (Previously Presented) The method as claimed in claim 13, wherein the acknowledge message for the collision detection preamble is a collision detection/channel assignment - indicator channel message.